

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takeshi HASHIZUME

Application No.: New U.S. National Phase of
PCT/IB2005/001930

Filed: June 21, 2006

Docket No.: 128448

For: EXHAUST GAS CONTROL APPARATUS FOR INTERNAL COMBUSTION ENGINE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

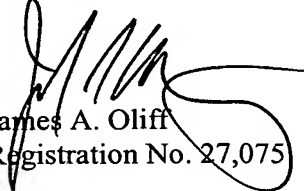
Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of one or more non-English language reference is discussed in the present specification. See References 1 and 2.
- ☒ 3. One or more reference cited herein was cited in the International Search Report. An English language version of the International Search Report is attached for the Examiner's information. See References 4-10.
- ☒ 4. A concise explanation of the relevance of one or more non-English language reference cited herein appears in the Appendix attached hereto. See References 1-3.
- ☒ 5. An English language Abstract of one or more non-English language reference is attached hereto. See References 1, 3, 4, 9 and 10.

AP20 Rec'd PCT/PTO 21 JUN 2006

- ☒ 6. A computer-generated English language translation of one or more Japanese Patent Publication cited herein has been obtained from the website of the Japanese Patent Office ([<http://www.jpo.go.jp>]), and is attached, but has not been reviewed for accuracy. See References 3, 4, 9 and 10.

Respectfully submitted,


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Form PTO-1449 (REV. 1/06)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 128448		APPLICATION NO. 10/593777 New US National Phase of PCT/IB2005/001930	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT Takeshi HASHIZUME			
				FILING DATE June 21, 2006			
U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document Number	Date	Name			
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract	With English Translation	
	1	JP A 4-22705	01/27/1992	Japan	X		
	2	JP U 6-34122	05/06/1994	Japan			
	3	JP B2 2675405	07/18/1997	Japan	X	X	
	4	JP A 11-210449	08/03/1999	Japan	X	X	
	5	EP 1 420 159 A2	05/19/2004	Europe			
	6	EP 0 596 855 A1	05/11/1994	Europe			
	7	WO 99/15773	04/01/1999	WIPO			
	8	WO 03/102391 A1	12/11/2003	WIPO			
	9	JP A 2002-276405	09/25/2002	Japan	X	X	
	10	JP A 6-257519	09/13/1994	Japan	X	X	
OTHER DOCUMENTS							
Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: June 21, 2006

Appendix

US Patent	File Date	Publication Date Or Issue Date	Comments
JP (A) 04-022705	May 16, 1990	Jan. 27, 1992	It is disclosed that: particulates collected on a filter are burnt by means of fuel supply to an upper stream of the filter in order to prevent a fuel for regeneration from leaking outward as white smoke by returning the exhaust gas, which has passed the filter, to combustion chamber of an engine, at the time of regeneration of the filter.
JP (Y2) 06-034122	Oct. 9, 1992	May 6, 1994	It is disclosed that: when an engine load is low, an exhaust gas is re-circulated from an upstream side of a catalyst, and when the load is high, the re-circulation of the exhaust gas is stopped. Then, when the temperature of the catalyst is low, the catalyst can be warmed up quickly and a purifying performance of the catalyst can be improved.

JP (B2) 2675405	Aug. 12, 1989	July 18, 1997	It is disclosed that: in order to improve the purifying performance of a catalyst in a device with an Nox purifying catalyst provided at an exhaust pipe, EGR device takes exhaust gas switchingly out of the upstream and downstream sides of the catalyst so as to be re-circulated to an intake system and performs the take-out switching according to load to an engine.
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